Master of Civil Engineering
what

...is Master of Civil Engineering?

Civil Engineering teaches you about the effective planning, design and construction of the built environment.

This includes the working and living spaces people depend on, as well as critical infrastructure such as motorways, bridges, and water supply networks.

The many and varied elective courses available within Civil Engineering encourage you to find a path that resonates with your own interests.
what

...are the potential career paths?

Programme graduates will use their Master of Civil Engineering in the design and construction of infrastructure like buildings, transportation systems, water and wastewater facilities, ports, bridges and urban environments.

Our graduates have found employment in engineering consultancies, councils, government departments, and as designers and advisers for engineering projects. Potential fields of employment include Mechanical Engineer, Project Manager, Design Engineer, Site Engineer and Structural Engineer.
...is the programme pathway?

- MCivilEng 120-point, taught
- MCivilEng 180-point, taught
- MCivilEng 120-point, research
- MCivilEng 180-point, research
...are the specializations can you take within Master of Civil Engineering?

You can earn either an unendorsed degree, or an endorsed one in one of the following specialisations:

- Coastal Engineering
- Construction Engineering
- Environmental Engineering
- Geotechnical Engineering
- Structural Engineering
- Transportation Engineering
- Water Engineering
You must have completed

either

- A BE or BE(Hons) with a GPA of 4.0 or higher in 120 points above Stage III or

- A relevant Bachelors degree with a GPA of 4.0 or higher in 75 points above Stage II AND at least three years of relevant professional experience approved by the Programme Director or

- A relevant Bachelors degree AND a relevant Postgraduate Diploma (or equivalent) with a GPA of 4.0 or higher and

- A 4.0 GPA

If you do not meet the entry requirements, you can still gain entry by passing 60 points in the Postgraduate Certificate in Civil Engineering or the Postgraduate Diploma in Civil Engineering with a GPA of 4.0 or higher, provided that the postgraduate certificate or postgraduate diploma has not been awarded.
...should take this course?

This specialisation gives you the chance to see how you can shape the world we live in.

For example in topics with an environmental focus, you will learn how to design, develop and evaluate structures, equipment and systems to provide practical solutions to problems caused by increasing consumption and waste.
Dr Garry Miller is the inaugural Director of the Graduate School of Engineering, leading the establishment and strategic direction for postgraduate taught programmes.

He was a recipient of the 2021 Engineering New Zealand Fellow, and is a graduate of the Faculty of Engineering UoA.

After spending time in industry holding senior executive positions across the UK and Aotearoa, he graduated with his PhD in 2018, and quickly moved on to become a fundamental part of establishing our faculty’s Graduate School of Engineering (GSE).
...will I benefit from taking this course?

The degree will maintain a focus on critical thinking and problem solving, to enable graduates and alumni to take up a wide variety of career opportunities at senior and leadership levels as their careers progress.
...study at the University of Auckland?

You can count on our reputation as New Zealand’s top university and engineering faculty, as well as our track record in the field of civil engineering.

Our staff is dedicated to supporting the sector by moulding employable candidates who can improve and become leaders in the field of Civil Engineering.

Not only will you work with some of the industry’s finest academics, but you will have the option to work in industry on applied and fundamental research to further your understanding.